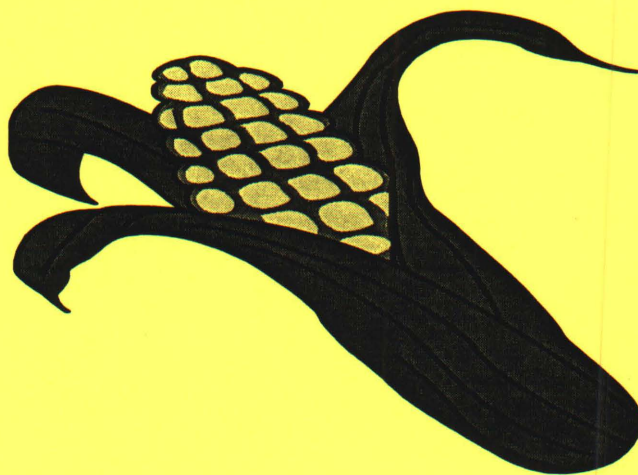


Horticulture & Crop Science Dept. Series No. 654

January 1996

5865  
P180  
27963



O. A. Z. D. C.  
1996  
LIBRARY

## SWEET CORN CULTIVAR EVALUATIONS-1995



Richard L. Hassell  
Horticulture & Crop Science  
OARDC/OSU  
Wooster, OH 44691

639  
OH3

This page intentionally blank.

## TABLE OF CONTENTS

	Page
Weather Summary	1
Thermogradient Results of SE Sweet Corn	2- 3
Thermogradient Results of SH2 Sweet Corn	4- 5
Plant and Ear Characteristics of SE Sweet Corn	6-10
Plant and Ear Characteristics of SH2 Sweet Corn	11-15

## ACKNOWLEDGEMENTS

The 1995 sweet corn cultivar trial was sponsored by the Ohio Vegetable and Small Fruit Research Check-off Program.

Thanks also to Ken Scaife, Manager-Vegetable Crops Branch and Shan Mueller, technician, John Elliott, Manager-Horticulture and Crop Science Farm, and Bruce Williams, technician. Also, thanks to Todd Kranendoink and Cindy Wallace for their help in coordinating data.

-----

All programs of the Ohio Agricultural Research and Development Center are available to clientele without regard to race, color, creed, religion, sexual orientation, national origin, gender, age, disability or Vietnam-era status.

## WEATHER SUMMARY 1995

---

Month	Rain (in)	Air avg.	Air min.	Air max.	Humidity avg.	Humidity min.	Humidity max.
-------	--------------	-------------	-------------	-------------	------------------	------------------	------------------

---

### VEGETABLE CROPS BRANCH (SH2 Trial)

April	4.74	45.00	34.70	55.40	73.80	48.20	99.4
May	4.78	58.50	48.20	68.90	74.30	49.40	99.3
June	3.05	69.90	59.40	80.40	75.40	50.80	100.0
July	3.50	73.80	62.00	85.60	72.60	45.30	99.8
August	3.44	74.70	64.10	85.40	78.30	56.50	100.0
September	1.14	59.70	46.40	73.00	70.30	40.70	100.0
October	3.97	53.60	42.40	64.80	73.60	47.20	100.0

### WOOSTER (HORT UNIT 1) (SE Trial)

April	3.10	46.80	35.10	58.90	71.00	46.00	96.0
May	4.54	58.70	46.70	69.70	75.00	44.00	99.0
June	3.05	70.80	60.00	83.10	83.00	65.00	97.0
July	3.57	73.90	62.90	85.50	82.00	71.00	96.0
August	3.28	75.10	65.20	87.80	84.00	72.00	95.0
September	1.06	60.80	47.70	74.10	79.00	67.00	95.0
October	4.77	54.00	44.10	64.80	79.00	56.00	96.0

---

Table 1. Percent seed germination of sugar-enhanced (SE) corn at varying temperatures after seven days.

Cultivar	Source	Seeds/ lb	Degrees F							
			50-53	53-57	57-60	60-64	64-68	68-72	72-75	75-80
WHITE										
XPH 3114	Asgrow	2380	34	34	62	84	98	98	100	100
Fantasid	Asgrow	1715	0	0	16	40	60	96	98	98
Argent	Johnny's	2915	20	42	78	98	100	100	100	100
Avalanche	Mesa Maize	2929	16	16	82	90	98	100	100	100
Imaculata	Mesa Maize	2109	16	10	28	66	86	100	100	100
Sugar Snow	Mesa Maize	3357	86	88	100	96	96	98	100	98
Spring Sorrow	Mesa Maize	2346	54	84	90	98	96	100	100	100
HMX 3356 (Sweet Ice)	Harris Moran	3308	26	20	18	80	100	100	100	100
YELLOW										
Amaze	Rispen	2434	20	62	74	76	88	98	96	100
Precocious	Rispen	2706	8	92	98	98	96	100	98	100
Kandy King	Siegers	2267	0	12	20	68	98	94	96	100
Tuxedo	Siegers	3338	50	96	96	92	92	100	100	100
Seneca (RXY 6502)	Siegers	2004	92	90	100	96	100	100	100	100
Amaze	Siegers	2279	36	60	74	90	96	94	100	100
Advantage	Liberty	1791	4	30	74	98	100	100	100	100
Spring Treat	Rispen	2948	24	72	88	94	92	98	100	100
Precious Gem	Rispen	2253	0	24	32	86	96	100	98	98
Incredible	Crookham	3815	10	88	98	100	100	100	100	100
Bodacious	Crookham	3691	90	100	100	100	100	100	100	100
Servo	Asgrow	2498	68	94	96	100	98	100	100	100
XPH 3119	Asgrow	2860	78	94	72	90	100	100	100	100
Champ	Asgrow	1926	0	14	86	68	78	90	98	100
Tuxedo	Mesa Maize	2554	20	44	94	84	78	96	100	98
Precocious	Mesa Maize	2824	0	2	70	96	94	100	100	100
Premero	Mesa Maize	2794	80	92	84	100	80	94	96	100
HMX4340	Harris Moran	2750	44	56	76	94	100	98	96	100
Sugar Ace F1	Harris Moran	1955	20	70	80	90	100	94	96	96

Table 1. Percent seed germination of sugar-enhanced (SE) corn at varying temperatures after seven days.

Cultivar	Source	Seeds/ lb	Degrees F							
			50-53	53-57	57-60	60-64	64-68	68-72	72-75	75-80
BI-COLOR										
Table Treat	Seedway	3775	74	84	100	100	98	100	100	100
Native Gem	Siegers	3042	84	86	88	92	98	98	92	96
RXB7703	Siegers	2087	26	58	80	91	98	90	92	98
Geronimo	Stokes	2598	44	60	88	94	98	100	100	96
Cochise	Stokes	2756	30	92	94	94	86	92	90	98
Tecumseh	Stokes	3589	68	70	84	88	76	94	96	90
Relectable	Siegers	4156	66	92	94	98	92	94	96	98
Precious Gem	Siegers	3338	58	66	74	90	82	92	92	88
Double Gem	Rispens	2447	44	70	96	98	92	100	96	98
Pilot	Johnny's	1916	30	78	84	86	86	96	96	98
Clockwork	Johnny's	2188	88	100	98	100	100	100	98	100
Coronet	Asgrow	2239	68	98	96	96	94	100	98	94
Calico Belle	Asgrow	2034	56	82	100	100	100	100	100	100
Temptation	Asgrow	2193	50	70	92	94	98	100	100	98
Sensor	Asgrow	2009	34	80	94	98	100	100	100	100
XPH 3086	Asgrow	2027	52	90	78	78	98	100	100	100
XPH 3085	Asgrow	1946	80	94	98	100	98	100	100	100
Double Gem	Siegers	3401	0	48	72	88	94	94	82	94
Delectable	Crookham	3582	36	86	84	88	88	94	92	96
Merlin	Mesa Maize	2447	92	96	100	96	100	100	98	100
Chief Ouray	Mesa Maize	2647	36	60	74	86	96	92	96	100
Native Gem	Mesa Maize	3073	72	84	94	92	90	92	88	98
Lancelot	Mesa Maize	2675	50	58	100	100	100	100	100	100
Precious Gem	Mesa Maize	2842	64	86	92	74	100	90	100	98
Gemini	Mesa Maize	2558	50	80	64	86	94	96	92	90
HMX 3354	Harris Moran	2231	20	100	90	98	100	100	98	100
(Sweet Rhythm)										
HMX 2349	Harris Moran	2393	86	88	92	86	88	100	100	98
(Sweet Symphony)										
HMX 3370	Harris Moran	1811	20	44	74	54	98	100	100	100

Table 2. Percent seed germination of SH<sub>2</sub> sweet corn seeds at varying temperatures after seven days.

Cultivar	Source	Seeds/ lb	Degrees F							
			50-53	53-57	57-60	60-64	64-68	68-72	72-75	75-80
WHITE										
Snow Bird	Rispen	3349	0	48	68	74	72	86	96	88
Blizzard	Stokes	3589	10	64	90	92	94	82	90	96
Frontier	Asgrow	4090	70	88	100	100	100	94	100	100
XPH 3104	Asgrow	3799	48	80	98	100	94	100	100	100
Sweet Magic	Harris Moran	2785	24	34	88	86	100	100	100	100
HMX2347	Harris Moran	2478	50	80	94	94	100	100	100	100
(Silver Dollar)										
HMX3368	Harris Moran	2918	52	74	86	90	100	100	100	100
YELLOW										
Victor	Ferry Morse	3180	72	94	94	94	98	100	100	100
FMX412	Ferry Morse	4484	76	78	96	96	100	98	100	100
Krispy King	Siegers	2756	38	88	94	84	98	96	100	100
Victor	Siegers	3880	90	100	96	96	96	100	98	98
Crisp'n Sweet	Siegers	3775	64	86	86	94	82	82	92	76
XPH 3091	Asgrow	3647	64	80	80	100	96	96	94	94
Endeavor	Asgrow	4263	90	98	98	90	96	100	86	92
XPH 3121	Asgrow	3974	78	94	88	90	90	98	100	94
XPH 3078	Asgrow	3699	34	68	78	88	80	92	86	100
Punchline	Asgrow	3948	86	92	100	94	96	98	98	94
Zenith	Harris Moran	4484	58	66	64	86	80	88	98	96
Day Star	Harris Moran	3864	94	100	100	100	100	100	100	100
HMX 2384	Harris Moran	2992	80	86	98	98	98	100	100	100
HMX 3361	Harris Moran	2475	78	84	96	98	96	100	100	100
BI-COLOR										
XPH 3073	Asgrow	2864	68	80	92	88	94	92	90	98
Dazzle	Asgrow	2851	30	72	84	90	84	94	90	86
Diabolo	Siegers	3486	66	72	84	74	94	86	98	98
SCH 5482	Siegers	4693	44	46	68	80	62	76	62	76
SCH 7643	Siegers	3596	54	86	82	88	100	84	94	90
Mitra Flavor	Liberty	2962	50	66	64	70	82	80	72	78
FMX 332	Rispen	2829	80	92	98	96	98	96	96	96
Milk & Honey	Stokes	1743	80	80	92	100	82	98	84	98
Sweet Heart	Stokes	1805	88	100	96	100	96	98	98	100

Table 2. Percent seed germination of SH<sub>2</sub> sweet corn seeds at varying temperatures after seven days.

Cultivar	Source	Seeds/ lb	Degrees F							
			50-53	53-57	57-60	60-64	64-68	68-72	72-75	75-80
BI-COLOR (Cont.)										
Ultra Flavor	Liberty	2102	82	88	92	100	94	94	98	92
Skyline F1	Johnny's	2838	46	58	90	80	68	90	90	84
Eagle Treated F <sub>1</sub>	Johnny's	3208	40	78	88	80	90	80	98	100
Tartan Treated F <sub>1</sub>	Johnny's	3561	70	88	96	98	100	100	96	96
FMX 404	Ferry Morse	3519	98	96	96	96	100	96	98	98
FMX 332	Ferry Morse	3192	64	64	90	74	76	96	100	82
FMX 402	Ferry Morse	4156	92	94	94	98	94	98	100	100
Diabolo	Asgrow	3466	8	50	88	86	72	76	94	84
Cabaret	Asgrow	2547	58	86	88	84	82	92	94	94
Festival	Asgrow	3083	64	94	90	90	100	94	94	92
XPH 3052	Asgrow	4026	86	84	90	88	94	100	96	100
XPH 3074	Asgrow	2547	38	78	90	80	88	96	92	96
Starship	Seedway	3357	88	90	98	92	94	96	100	100
Hybrid 672	Seedway	3547	2	30	40	66	66	60	76	76
Topnotch F <sub>1</sub>	Harris Moran	2892	78	86	88	100	94	92	92	98
Candy Store	Harris Moran	3349	56	74	88	90	80	96	92	90
Confection F <sub>1</sub>	Harris Moran	3864	72	92	96	98	100	96	100	98
HMX 3364	Harris Moran	3519	66	82	80	84	92	92	78	76



Table 3. Plant and ear characteristics of white sugar-enhanced (SE) sweet corn grown in Wooster, Ohio, 1995 (seeded May 20).

Cultivar	Source	Date to 100% silk	Date to harvest	Base Ear height (in)	Mktbl crates/ acre*	Ear lgth (in)	Ear dia (in)	Tip <sup>1</sup> cover (1-5)	Tip <sup>1</sup> fill (1-5)	Kernel count	Harvest <sup>1</sup> Ease	Pericarp <sup>3</sup> firmness (g)	% Total Sugars <sup>2</sup> 1 day	6 days
XPH 3114	Asgrow	7-23	8-10	28	162	9.6	2.1	1	1	16	2	648	20.8	20.6
Fantasid	Asgrow	7-23	8-10	29	180	9.4	2.1	1	1	14	3	571	27.8	17.6
*Argent	Johnny's	7-26	8-14	28	362	9.0	2.3	1	2.5	16	5	726	39.3	31.6*
Avalanche	Mesa Maize	7-23	8-14	24	252	10.0	2.2	3	2	16	4	629	28.0	17.8
*Imaculata	Mesa Maize	7-21	8-10	22	307	8.6	2.3	1	1	18	3	666	28.8	26.9
Sugar Snow	Mesa Maize	7-19	8-7	12	242	7.6	1.8	1	1	20	3	754	21.2	21.1
*Spring Sorrow	Mesa Maize	7-17	8-7	11	272	9.0	2.2	1	1	16	3	717	24.0	21.3
*HMX 3356 (Sweet Ice)	Harris Moran	7-21	8-7	27	366	7.4	1.8	1	1	16	3	617	27.9	26.7

\*Based on 56 count crates

<sup>3</sup>600 and below = creamy

<sup>1</sup>Scale=1 excellent; 5 poor

600-850 = normal

<sup>2</sup>Based on glucose equivalent

850 and above = crunchy

\*Considered best in trial

Table 3. Plant and ear characteristics of white sugar-enhanced (SE) sweet corn grown in Wooster, Ohio, 1995 (seeded May 20).

Cultivar	Source	Comments
XPH 3114	Asgrow	Lodges! Long shank, dark green.
Fantasid	Asgrow	Rust!
Argent	Johnny's	Long shank, dark green, many flags.
Diventy	Mesa Maize	
Avalanche	Mesa Maize	Long shank, dark green, many flags.
Imaculata	Mesa Maize	Dark green, medium shank, many flags.
Sugar Snow	Mesa Maize	Dark green, no flags.
Spring Sorrow	Mesa Maize	Dark green, many flags, medium shank.
HMX 3356 (Sweet Ice)	Harris Moran	Dark green, many flags, medium shank.

Table 4. Plant and ear characteristics of bi-colored sugar-enhanced (SE) sweetcorn grown in Wooster, Ohio, 1995 (seeded May 20).

Cultivar	Source	Date to 100% silk	Date to harvest	Base Ear height (in)	Mktbl crates/ acre*	Ear lgth (in)	Ear dia (in)	Tip <sup>1</sup> cover (1-5)	Tip <sup>1</sup> fill (1-5)	Kernel count	Harvest <sup>1</sup> Ease	Pericarp <sup>3</sup> firmness (g)	Total Sugars <sup>2</sup> 1 6 day days
*Table Treat	Seedway	7-26	8-14	22	302	9.8	2.4	2	1	16	2	658	31.5 19.1
Native Gem	Siegers	7-17	8-7	17	140	9.0	2.1	1	1	14	3	571	24.2 20.9
*RXB7703	Siegers	7-26	8-14	18	306	8.6	2.3	1.5	1	16	5	726	21.2 20.2
Geronimo	Stokes	7-19	NOT HARVESTED										
Cochise	Stokes	7-23	8-7	20	167	9.4	2.2	1	1	16	4	629	29.1 23.6
Tecumseh	Stokes	7-29	8-14	24	260	10.0	2.3	1	1	18	3	666	27.8 27.5
Relectable	Siegers	7-29	8-14	24	222	10.0	2.4	1	1.5	20	3	754	33.6 33.1
Precious Gem	Siegers	7-29	8-14	22	254	10.0	2.4	1	1	16	3	717	32.9 30.1
Double Gem	Rispens	7-21	8-7	19	176	9.2	2.3	1	1	16	3	617	33.8 33.1
Pilot	Johnny's	7-21	8-17	22	192	9.6	2.2	1	2.5	18	3	749	34.8 22.6
Clockwork	Johnny's	7-29	8-10	20	258	9.4	2.5	1	1	16	3	520	20.6 17.6
Coronet	Asgrow	7-23	8-14	28	245	9.8	2.2	1.5	1	14	4	704	22.9 22.4
*Calico Belle	Asgrow	7-26	8-10	30	276	9.0	2.2	1	2	18	3	665	31.8 23.8
*Temptation	Asgrow	7-19	8-7	20	274	9.0	2.2	1	1	16	3.5	623	25.4 22.6
*Sensor	Asgrow	7-26	8-10	30	278	9.2	2.1	1	1	16	3	587	34.5 29.5
*XPH 3086	Asgrow	7-29	8-14	28	277	10.1	2.2	1	1	18	4	605	26.3 23.9
*XPH 3085	Asgrow	7-26	8-10	30	268	9.6	2.0	1	1	16	3	543	29.6 25.4
Double Gem	Siegers	7-23	8-7	20	137	9.4	2.3	1	1	16	2	633	35.1 34.5
Delectable	Crookham	7-29	8-14	24	222	9.6	2.5	2	2	20	3	769	42.8 26.3
Merlin	Mesa Maize	7-23	8-7	20	183	9.0	2.4	2	1	16	2	658	28.7 27.0
Chief Ouray	Mesa Maize	7-29	8-14	15	226	9.9	2.3	3	1	20	2	746	34.1 18.3
Native Gem	Mesa Maize	7-23	8-7	24	147	9.2	2.2	1	1	16	2	645	33.2 30.8
*Lancelot	Mesa Maize	7-19	8-7	18	226	9.0	2.2	1	1	14	3	603	26.3 18.2
*Precious Gem	Mesa Maize	7-26	8-10	22	328	9.2	2.2	1	1	20	1	522	36.5 27.7
Gemini	Mesa Maize	7-29	8-10	22	248	9.6	2.2	1	1	16	2	576	26.4 26.2
*HMX 3354 (Sweet Rhythm)	Harris Moran	7-21	8-7	20	328	8.4	2.2	1	1	16	3	819	28.3 23.3
*HMX 2349 (Sweet Symphony)	Harris Moran	7-21	8-7	26	343	9.1	2.2	3	1	16	2	722	27.2 25.4
*HMX 3370	Harris Moran	7-19	8-7	14	245	8.6	2.2	1	3.5	12	5	784	30.3 29.0

\*Based on 56 count crates

<sup>1</sup>Scale=1 excellent; 5 poor

<sup>2</sup>Based on glucose equivalents

\*Considered best in trial

<sup>3</sup>600 and below = creamy

600-850 = normal

850 and above = crunchy

Table 4. Plant and ear characteristics of bi-colored sugar-enhanced (SE) sweetcorn grown in Wooster, Ohio, 1995 (seeded May 20).

Cultivar	Source	Comments
Table Treat	Seedway	Lodges, Long shank, dark green.
Native Gem	Siegers	Rust!
RXB7703	Siegers	Long shank, dark green, many flags.
Geronimo	Stokes	
Cochise	Stokes	Long shank, dark green, many flags.
Tecumseh	Stokes	Dark green, medium shank, many flags.
Relectable	Siegers	Dark green, no flags.
Precious Gem	Siegers	Dark green, many flags, medium shank.
Double Gem	Rispens	Dark green, many flags, medium shank.
Pilot	Johnny's	Die Back!, dark green.
Clockwork	Johnny's	Dark green, many flag leaves.
Coronet	Asgrow	Light green, long shank, few flag leaves.
Calico Belle	Asgrow	Rust! Dark green.
Temptation	Asgrow	Rust! Light green.
Sensor	Asgrow	Dark green, many flag leaves, long shank.
XPH 3086	Asgrow	Rust! Dark green, long shank.
∞ XPH 3085	Asgrow	Light green, many flag leaves, long shank.
Double Gem	Siegers	Dark green, many flags, short shank.
Delectable	Crookham	Long shnk, light green. Few flag leaves.
Merlin	Mesa Maize	Dark green, big ears! Short shank.
Chief Ouray	Mesa Maize	Light green, few flag leaves.
Native Gem	Mesa Maize	Dark green, many flag leaves.
Lancelot	Mesa Maize	Rust! Leaf dry back.
Precious Gem	Mesa Maize	Lodges! Rust!
Gemini	Mesa Maize	Medium shank, many flag leaves, dark green.
HMX 3354	Harris Moran	Rust! Light green.
HMX 2349	Harris Moran	Dark green, few flag leaves, short shank.
HMX 3370	Harris Moran	Dark green, few flag leaves, big kernels.

Table 5. Plant and ear characteristics of yellow sugar-enhanced (SE) sweetcorn grown in Wooster, Ohio, 1995 (seeded May 20).

Cultivar	Source	Date to 100% silk	Date to harvest	Base Ear height (in)	Mktbl crates/ acre*	Ear lgth (in)	Ear dia (in)	Tip <sup>1</sup> cover (1-5)	Tip <sup>1</sup> fill (1-5)	Kernel count	Harvest <sup>1</sup> ease	Pericarp <sup>3</sup> firmness (g)	% Total Sugars <sup>2</sup> 1 day	6 days
Amaze	Rispen	7-23	8-10	15	258	8.8	2.0	1	1.5	14	1	597	28.5	20.1
Precocious	Rispen	7-20		NOT HARVESTED										
Kandy King	Siegers	7-23	8-11	15	224	10.6	2.1	1	2	27	4	585	27.7	25.8
*Tuxedo	Siegers		8-14	15	269	9.8	2.1	1.5	1	14	3	873	30.0	29.7
Seneca	Siegers	7-19	8-7	18	266	8.7	2.3	2.5	2	16	2	671	27.6	24.3
*Amaze	Siegers	7-23	8-7	14	288	10.6	2.0	1	1	14	3	583	29.9	28.5
Advantage	Liberty	7-19	8-7	13	231	9.6	2.5	4	1	14	4	700	34.8	33.1
Spring Treat	Rispen	7-19	8-7	12	235	9.0	2.0	3	1	12	3	569	30.0	29.5
Precious Gem	Rispen	7-29	8-14	23	273	10.0	2.2	1	1	14	4	615	38.7	31.6
Incredible	Crookham	8-1	8-14	24	243	9.4	2.5	2	1	20	3	711	38.4	37.3
*Bodacious	Crookham	7-26	8-10	15	185	7.6	2.0	1	4	16	2	607	37.2	28.8
Servo	Asgrow	7-29	8-17	22	282	9.8	2.5	4	1	18	3	729	27.1	21.9
XPH 3119	Asgrow	7-21	8-10	NOT HARVESTED										
Champ	Asgrow	7-21	8-7	16	229	8.9	3.4	1	1	16	4	725	36.4	34.9
Tuxedo	Mesa Maize	7-26	8-14	16	281	9.6	2.3	1	1	16	2	661	30.0	29.6
Precocious	Mesa Maize	7-19	8-14	NOT HARVESTED										
Premero	Mesa Maize	7-26	8-15	20	242	9.6	2.2	1	1	20	3	768	27.9	21.3
HMX 4340	Harris Moran	7-21	8-7	18	228	8.6	2.0	1	1	14	2	665	36.8	35.5
*Sugar Ace F1	Harris Moran	8-1	8-17	22	313	8.6	2.1	1	1	18	2	828	28.1	22.9

\*Based on 56 count crates

<sup>1</sup>Scale= 1 excellent; 5 poor

<sup>2</sup>Based on glucose equivalent

<sup>3</sup>600 and below = creamy

600-850 = normal

850 and above = crunchy

\*Considered best in trial

Table 5. Plant and ear characteristics of yellow sugar-enhanced (SE) sweetcorn grown in Wooster, Ohio, 1995 (seeded May 20).

Cultivar	Source	Comments
Amaze	Rispen	----
Precocious	Rispen	Not Harvested
Kandy King	Siegers	----
Tuxedo	Siegers	----
Seneca	Siegers	Rust, long shank, many flag leaves
Amaze	Siegers	Dark green, long shank, many flag leaves
Advantage	Liberty	Dark green, long shank, few flag leaves
Spring Treat	Rispen	Long shank, Rust!
Precious Gem	Rispen	Dark green, many flag leaves, long shank
Incredible	Crookham	Dark green, long shank
Bodacious	Crookham	Long shank
Servo	Asgrow	Long shank, bird damage
XPH 3119	Asgrow	Not harvested
Champ	Asgrow	Dark green, few flag leaves
Tuxedo	Mesa Maize	Rust! Dark green
Precocious	Mesa Maize	Not Harvested
Premero	Mesa Maize	Light green, rust!
HMX 4340	Harris Moran	Dark green, some rust, few flag leaves
Sugar Ace F1	Harris Moran	Dark green, many flag leaves, some rust

Table 6. Plant and ear characteristics of white supersweet (Sh2) sweetcorn grown in Fremont, Ohio 1995 (seeded May 16). (cont.)

Cultivar	Source	Date to 100% silk	Date to harvest	Base Ear height (in)	Mktbl crates/ acre*	Ear lgth (in)	Ear dia (in)	Tip <sup>1</sup> cover (1-5)	Tip <sup>1</sup> fill (1-5)	Kernel count	Harvest <sup>1</sup> ease	Pericarp <sup>3</sup> firmness (g)	% Total Sugars <sup>2</sup> 1 day	6 days
*Snow Bird	Rispen	7-23	8-7	17	296	8.1	1.7	3	2	14	1	831	40.2	38.2
Blizzard	Stokes	7-26	8-7	2.7	256	7.8	1.8	2	1	18	2	866	37.2	35.6
*Frontier	Asgrow	7-24	8-7	30	300	7.7	1.75	1	1	18	1	980	44.9	44.7
XPH 3104	Asgrow	7-23	8-7	29	262	8.1	1.75	3	1	18	3	986	42.9	43.8
*Sweet Magic	Harris Moran	7-17	8-7	18	364	7.7	1.8	1	1	14	3	1070	38.8	39.2
*HMX 2347	Harris Moran	7-19	8-7	19	333	7.95	1.8	2	1	16	2	1091	44.4	42.6
HMX 3368	Harris Moran	7-21	8-7	24	299	8.4	1.70	1	1	14	2	993	33.6	33.1

\*Based on 56 count crates

<sup>1</sup>Scale=1 excellent; 5 poor

<sup>2</sup>Based on glucose equivalent

<sup>3</sup>600 and below = creamy

600-850 = normal

850 and above = crunchy

\*Considered best in trial

Table 6. Plant and ear characteristics of white supersweet (Sh2) sweetcorn grown in Fremont, Ohio 1994 (seeded May 16).

Cultivar	Source	Comments
Snow Bird	Rispen	Some smut
Blizzard	Stokes	Very uneven at harvest
Frontier	Asgrow	Some smut and worm damage
XPH 3104	Asgrow	Uneven at maturity
Sweet Magic	Harris Moran	Some smut
HMX 2347	Harris Moran	Heavy smut damage, some bird damage
HMX 3368	Harris Moran	

Table 7. Plant and ear characteristics of bi-color supersweet (Sh2) sweetcorn grown in Fremont, Ohio 1995 (seeded May 16).

Cultivar	Source	Date to 100% silk	Date to harvest	Base Ear height (in)	Mktbl crates/ acre*	Ear lgth (in)	Ear dia (in)	Tip <sup>1</sup> cover (1-5)	Tip <sup>1</sup> fill (1-5)	Kernel count	Harvest <sup>1</sup> ease	Pericarp <sup>3</sup> firmness (g)	% Total Sugars <sup>2</sup> 1 day	6 days
*XPH 3073	Asgrow	7-21	8-7	15	230	8.5	1.8	2	2	14	2	851	50.0	39.1
Dazzle	Asgrow	7-26	8-10	17	183	7.4	1.7	1	1	18	2	798	46.3	45.6
Diabolo	Siegers	7-24	8-7	15	212	8.75	9.9	1	3	16	3	1001	56.6	41.1
SCH 5482	Siegers	7-27	8-10	17	160	6.8	1.75	1	1	14	2	1042	42.0	38.8
SCH 7643	Siegers	7-27	8-10	20	183	8.1	1.8	1	1	20	3	896	42.0	41.5
Mitra Flavor	Liberty	7-27	8-11	19	213	7.5	1.75	2	2	18	2	800	46.1	45.9
*FMX 332	Rispen	7-26	8-7	18	223	7.9	1.9	4	2	18	4	819	44.0	28.1
Milk & Honey	Stokes	7-22	8-7	19	180	8.8	1.9	3	2	12	3	1009	37.4	29.0
*Sweet Heart	Stokes	7-19	8-7	16	237	7.5	1.9	2	2	16	2	1150	35.3	27.4
*Ultra Flavor	Liberty	7-19	8-7	16	323	7.8	1.85	2	3	12	2	1065	42.5	31.8
Skyline F1	Johnny's	7-18	8-7	12	216	7.5	1.95	2	2	18	2	1143	26.4	28.5
Eagle Treated F1	Johnny's	7-27	8-11	20	173	7.6	1.85	2	2	20	3	791	46.3	40.0
Tartan Treated F1	Johnny's	7-27	8-11	21	188	7.5	1.8	2	2	18	3	887	41.9	39.6
FMX 404	Ferry Morse	7-26	8-11	20	218	7.65	1.95	1	2	18	1	1115	38.0	38.4
FMX 332	Ferry Morse	7-25	8-11	18	186	7.5	2.0	3	2	16	3	858	44.6	38.3
FMX 402	Ferry Morse	7-27	8-11	19	193	7.5	1.8	3	2	16	3	861	42.3	38.2
Diabolo	Ferry Morse	7-27	8-7	18	150	8.7	1.95	3	2	20	3	940	34.7	26.1
*Cabaret	Asgrow	7-27	8-11	24	238	7.8	1.85	2	2	14	2	811	44.3	33.8
Festival	Asgrow	7-24	8-7	23	190	9.1	1.8	2	1	12	2	940	33.5	33.6
XPH 3052	Asgrow	7-18	8-7	14	172	8.1	1.9	1.5	4	18	2	1057	35.1	29.8
XPH 3074	Asgrow	7-23	8-7	22	192	8.3	2.0	2	1	16	2	824	50.8	31.8
Starship	Seedway	7-28	8-11	21	181	8.1	1.7	3	2	18	3	909	41.7	32.9
Hybrid 672	Seedway	7-28	8-11	17	179	7.6	1.8	2	2	16	2	859	41.5	34.2
Topnotch F1	Harris Moran	7-21	8-11	24	207	7.8	2.0	2	2	18	2	1209	30.8	27.1
Candy Store	Harris Moran	7-27	8-11	20	196	8.5	1.75	4	2	14	4	962	40.4	35.1
*Confection F1	Harris Moran	7-21	8-7	19	324	7.3	1.85	3	1	16	3	1028	43.6	38.8
*HMX 3364	Harris Moran	7-22	8-7	14	346	7.5	1.85	1.5	1	16	1	1130	38.9	34.7

\*Based on 56 count crates

<sup>3</sup>600 and below = creamy

<sup>1</sup>Scale=1 excellent; 5 poor

600-850 = normal

<sup>2</sup>Based on glucose equivalents

850 and above = crunchy

\*Considered best in trial

Table 7. Plant and ear characteristics of bi-color supersweet (Sh2) sweetcorn grown in Fremont, Ohio 1995 (seeded May 16).

Cultivar	Source	Comments
XPB 3073	Asgrow	Rust
Dazzle	Asgrow	Some smut
Diabolo	Siegers	-----
SCH 5482	Siegers	-----
SCH 7643	Siegers	-----
Mitra Flavor	Liberty	-----
FMX 332	Rispen	-----
Milk & Honey	Stokes	-----
Sweet Heart	Stokes	-----
Ultra Flavor	Liberty	-----
Skyline F1	Johnny's	-----
Eagle Treated F1	Johnny's	Very uneven at harvest
Tartan Treated F1	Johnny's	Smut
FMX 404	Ferry Morse	-----
FMX 332	Ferry Morse	-----
FMX 402	Ferry Morse	-----
Diabolo	Ferry Morse	-----
Cabaret	Asgrow	Some worm damage
Festival	Asgrow	-----
XPB 3052	Asgrow	Lot of rust, some smut
XPB 3074	Asgrow	-----
Starship	Seedway	-----
Hybrid 672	Seedway	-----
Topnotch F1	Harris Moran	Worm damage
Candy Store	Harris Moran	-----
Confection F1	Harris Moran	-----
HMX 3364	Harris Moran	-----



Table 8. Plant and ear characteristics of yellow supersweet (Sh2) sweetcorn grown in Fremont, Ohio 1995 (seeded May 16).

Cultivar	Source	Date to 100% silt	Date to harvest	Base Ear height (in)	Mktbl crates/ acre*	Ear lgth (in)	Ear dia (in)	Tip <sup>1</sup> cover (1-5)	Tip <sup>1</sup> fill (1-5)	Kernel count	Harvest <sup>1</sup> ease	Pericarp <sup>3</sup> firmness (g)	% Total Sugars <sup>2</sup> 1 day	6 days
Victor	Ferry Morse	7-25	8-10	17	191	7.7	1.95	1	2	18	2	964	48.1	35.7
*FMX 412	Ferry Morse	7-24	8-10	21	276	7.5	1.8	1	1	18	2	814	29.9	30.6
*Krispy King	Siegers	7-23	8-10	22	282	8.0	1.95	1	2	18	2	925	43.6	47.0
Victor	Siegers	7-23	8-10	27	258	8.2	1.9	1	2	18	2	935	44.2	40.2
Crisp'n Sweet	Siegers	7-25	8-10	30	230	8.7	1.9	2	2	16	3	929	43.9	40.7
*XPH 3091	Asgrow	7-26	8-10	27	314	8.35	8.75	1	2	18	3	951	40.6	42.8
*Endeavor	Asgrow	7-23	8-10	21	259	8.1	1.85	1	2	16	3	913	42.6	21.4
XPH 3121	Asgrow	7-25	8-10	21	241	8.0	1.7	1	3	16	3	1000	35.6	30.5
XPH 3078	Asgrow	7-26	8-10	18	211	7.2	1.75	1	2	18	3	879	40.2	33.4
*Punchline	Asgrow	7-23	8-10	19	235	7.6	1.8	1	1	16	2	907	35.2	32.7
*Zenith	Harris Moran	7-25	8-10	18	235	7.2	1.75	1	1	18	2	863	36.4	34.5
*Day Star	Harris Moran	7-25	8-10	24	321	7.15	1.7	1	2	16	2	1023	29.4	29.0
*HMX 2384	Harris Moran	7-25	8-10	35	282	8.6	1.85	2	1	18	3	1023	41.4	40.4
HMX 3361	Harris Moran	7-25	8-10	34	237	7.15	1.9	1	2	19	3	979	45.9	44.0

\*Based on 56 count crates

<sup>1</sup>Scale=1 excellent; 5 poor

<sup>2</sup>Based on glucose equivalents

\*Considered best in trial

<sup>3</sup>600 and below = creamy

600-850 = normal

850 and above = crunchy

Table 8. Plant and ear characteristics of yellow supersweet (Sh2) sweetcorn grown in Fremont, Ohio 1995 (seeded May 16).

Cultivar	Source	Comments
Victor	Ferry Morse	----
FMX 412	Ferry Morse	----
Krispy King	Siegers	----
Victor	Siegers	Some smut
Crisp'n Sweet	Siegers	----
XPH 3091	Asgrow	Very long shank
Endeavor	Asgrow	Some smut
XPH 3121	Asgrow	Not uniform at maturity
XPH 3078	Asgrow	----
Punchline	Asgrow	Some smut
Zenith	Harris Moran	----
Day Star	Harris Moran	Some worm damage
HMX 2384	Harris Moran	----
HMX 3361	Harris Moran	Long shank

This page intentionally blank.



**Ohio Agricultural Research and Development Center**  
1680 Madison Avenue  
Wooster, OH 44691-4096  
216-263-3700